

# FOLIO

## Graduands Encouraged to 'Keep the Faith'

*Peter Meekison, Vice-President (Academic), presented the following Report to Convocation on 17 November.*

Eminent Chancellor, Mr. President, Distinguished Guests, Colleagues, Graduating Students, Ladies and Gentlemen.

I am grateful for the opportunity to address you today. This is the first opportunity I have had in my position as Vice-President (Academic) to address Convocation, or indeed to make a

public statement on matters of concern to the University. What does one talk about when there are so many issues which require discussion and debate? I could deal with the enrolment pressures the University is facing; quotas; overcrowding; the remodelling and refurbishing of old buildings; resource allocation within the institution; or planning. Each of these deserves comment. Instead, I would like to use this opportunity to talk, particularly to the graduating students,

about one of your possessions, the value of which is being seriously questioned in today's troubled economic times. The possession I am referring to is your university education.

Shortly after I was appointed Vice-President, I was fortunately able to visit every Faculty and speak to every Dean to see for myself the wide vari-

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## Premier to Open Business Building

Premier Peter Lougheed will cut the proverbial ribbon at the official opening of the Faculty of Business Building on Monday, 26 November. Ceremonies will begin at 5 p.m. in the atrium.

Other platform guests will include Advanced Education Minister Dick Johnston; Municipal Affairs Minister Julian Koziak; Robert Stollery, Chairman and Chief Executive Officer, PCL Construction Ltd.; Roger Smith, Dean of Business; President Myer Horowitz; and Chancellor Peter Savaryn.

Construction of the building began two years ago and was completed this past summer. For the first time in many years, all of the departments which constitute the Faculty—Marketing and Economic Analysis, Finance and Management Science, Accounting, Organizational Analysis—will be under one roof.

The five-storey building is located west of HUB Mall and south of the Tory Building. A glass atrium joins the Business and Tory Buildings and the area provides an informal meeting

area for students in both Business and the Social Sciences. Access to HUB Mall is through an elevated walkway.

A unique feature of the building is a complex wiring system which allows for potential computer use in each classroom. The classrooms are also equipped with either permanent or portable audio-visual equipment. Most faculty offices and secretarial stations are equipped with computing devices. The entire building was designed for accessibility by people confined to wheelchairs.

Prominent on the top floor is the Stollery Executive Development Centre which will be used by the Faculty and members of the wider business community for seminars and meetings. The Centre was made possible by a donation from Robert and Shirley Stollery, with a matching grant from the provincial government.

Architect for the Business Building was Donald G. Bittorf and construction was by A.V. Carlson. PCL Construction was contracted separately for the Stollery Executive Development Centre. □



*The atrium between the Business and Tory Buildings will provide the backdrop for the official opening.*

ety of facilities located on this campus. We discussed the very broad range of programs which the University provides. As a result of these visits, I formed two distinct and lasting impressions. The first is that the staff at this University care about what they are doing. They care very much. They want to excel, and they want to develop and maintain the best academic programs in Canada, and, indeed, the world. They are prepared to leave no stone unturned in their desire to do so. For this enthusiasm and commitment to excellence, I applaud them because you and I, we all are the beneficiaries of their collective efforts.

My second impression is that when the University is between sessions, it is a quiet and subdued place. Students are an important and vital part of any university. Make no mistake about that. It is for this reason that I want to spend the time this afternoon discussing with you the impact your university education can have on your lives. As I mentioned, we are all beneficiaries of the collective efforts of those at our universities. Let me use an example. In my previous position as the Deputy Minister of Federal and Intergovernmental Affairs for the Province of Alberta, I was involved in considerable debate over Canada's, and particularly Alberta's, natural resources. In 10 years of debate on resources and a myriad of other issues, I found that each pivoted around the

same central theme—people. People are Canada's single most important resource. It is these highly skilled, trained, motivated, and perceptive people who are uncovering Alberta's resources today—who develop them, upgrade them, market them and conserve them.

I had the opportunity to work on the federal-provincial agreement on the Alaska Gas Pipeline; the non-fiscal aspects of the Alsands Project, and to participate in some of the preliminary discussions on the Slave River Hydro Project—all of them mega-projects. These projects have captured the imagination of the public because of their size, their economic impact, and their effects on resource development. What the public may not recognize, however, is the planning that is necessary on a diverse range of subjects before it is possible to produce one barrel of oil, one cubic foot of natural gas, or one kilowatt of electricity. First of all, we must deal with environmental concerns such as pollution; the effects on wildlife habitat; the impact on infrastructures such as roads, schools and hospitals; the training of manpower; employment opportunities for the local population; and effective labour relations. The list goes on and on. My point is, that to develop Canada's resources in an orderly and enlightened fashion, a great variety of people with vastly differing background, qualifications, and skills must work together in harmony. It takes more than highly trained engineers to make these projects successful! Alberta's universities, with their scholarly activities and research findings, benefit society in ways that Albertans may not fully appreciate. They do so behind the scenes, quietly, without fanfare. It is in such ways that you, who are graduating today, can benefit the society in which you live.

To the graduating class here today I would like to say "Congratulations!" You are being awarded today a university degree—proof that you have met the scholastic requirements of your Faculty and that you have a body of knowledge that qualifies you as trained in your field of study. In reality you have so very much more.

You have the satisfaction of knowing that you can understand others' ideas and that you can communicate your own; that you can research; that you can discover and assess the facts about a particular issue or problem.

You can weigh information and give your own opinion. You can juggle a number of tasks and plan your time accordingly. You can listen to a voice of authority, yet argue with a reasoned voice of your own. You can respond to challenge. And your own vision of the world has broadened. No matter what your field of study, during your years on the campus you were exposed to disciplines and views of life different from your own. It is my hope that your graduation day is not an ending to your enthusiasm for and your involvement with university life. I hope, instead, that it is just the first step in a continuing quest for knowledge that you will follow for the rest of your lives.

### *Stay Aboard Voyage of Discovery*

For you are the lucky ones. One of those 16 percent of Canadians who possess a university degree. To you, the University is a familiar place. You know the ropes—how to register for a course, how to contact your professor or department chairman, how to use the library for research, how to find a parking place! Keep the University familiar, whether it is this University or one in another part of the world. Take courses as often as you can, both for your work and for pleasure. Continue the voyage of discovery with other students and professors. For us as teachers and researchers, the joys of your discovery are the fulfillment of our own desires.

Some of you here today will be returning to the work force after an absence from it; some of you have started new jobs; and others are now looking for work. You are graduating at one of the most discouraging times in Canada's employment history. Some of you will have trouble finding work, and many of you who do so will find yourselves under-employed. You may even in your discouragement fall into the trap of echoing the quote we hear far too often these days: "What's the point in getting a university degree. You can't get a job anyway!" Don't do it. The reality is, that of all young people in today's world, you have the best and widest opportunities.

Another statement we often hear is, "It's impossible to find work in my field of training." My question to you is, "Is that so very bad?" We all know that most of you will change your

fields of work at least four or five times during your working lives. You may hold as many as 20 different jobs before you retire. Look at the world as it exists today. You will notice its fluidity. It is constantly changing. You will see how many people have combined different fields of expertise in innovative ways or have grabbed an opportunity when it came by. Such actions can lead you into new fields of endeavour and enquiry where you can develop new skills while still retaining the ones you already possess.

Nobody can ever take away from you the knowledge you have gained in your years at the University. No knowledge (no matter how impractical, or esoteric, or mundane) is ever wasted. If you don't use the knowledge you have gained at university in your work life, use it for your own satisfaction. Remember that your work life takes up only a part of every day. Tremendous joy and satisfaction can come from your individual pursuits in your leisure time.

Remember too, we can't compartmentalize our lives. Your satisfaction from leisure time pursuits affects your enjoyment of your work; your relationship with friends and family affect your leisure time. Try to keep your lives in balance and use the satisfaction you gain from one area to strengthen the other parts.

### *Courage*

If you can't find work right now in your area of interest, don't be discouraged. You may have to start elsewhere, or at the bottom—but don't be content to stay there. Use those brains you've exercised so hard for the past few years, and use the skills you have honed at the University to look for opportunities for advancement. Try to work yourself into the job you want. Convince your employers that your talents, skills, and abilities are just what they need most. And build on the skills you have. You are starting on a new path now. Take advantage of every opportunity to expand your existing expertise. Employers are saying more and more these days that far beyond work-content skills, they need staff with strong self-management skills.

Consider for a moment the skills you have developed at University. One is communication. You can listen to

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instructions, and express yourself both in writing and verbally. Perhaps you are skilled at speaking to groups of people as you have done so often in a seminar situation. You can speak objectively, even when you don't agree with your professor. And, if you can do so without offending the sensitivities of others, you have a great gift. You can tell opinion from fact, and you know you can convey a positive self-image to others, even when you're quaking in your boots!

A second ability you have developed is the capacity to do research, a very special set of skills honed in the university setting. You know how to use a variety of sources of information, whether they be found in computer banks or in a library. You can test and assess their validity. You can identify problems and needs and define them to others. You can identify the sources of information that you need to deal with such problems, and you can ask the questions necessary to clarify a particular problem, topic, or issue.

You have developed skills in critical thinking. You can cut through to the crux of an issue, define its parameters, and create innovative solutions. You can see how issues, events, and ideas inter-relate. You can manage information. You can apply information to the solution of a particular problem or task. You can synthesize facts, concepts, and principles; and you can evaluate information because you have standards against which to measure it. Whether you recognize it or not, you have developed considerably during your time at university. Of course, all this is in addition to the specific knowledge and facts you possess. The skills you learn at university are skills you can use in all facets of your life.

Now you are embarking on a new path where you will be gathering expertise of a different kind and where, in many cases, you will be a neophyte. When you leave the university, you will need to relate the skills you have developed here to the requirements of the work environment and to identify your needs, values, interests, strengths and weaknesses. You will need to interact with peers, supervisors and subordinates; and you will need to persuade others to your point of view while, at the same time, respecting their beliefs. You will need to teach, to delegate, to maintain group cooperation, and work under pressures of time and your environment. You may

not be given extensions to assignments as you were at university. It is a different world, but it is a world that you have been prepared to deal with while you have been on this campus. Over time you will further develop your management, administrative, or research abilities, depending on the fields of endeavour you choose to pursue. You will be asked to make choices, to identify resources and people to solve problems or complete tasks, whether to choose this course of action or that. You will be asked whether or not responsibility should be delegated. You will wonder how to motivate and lead people.

The foregoing long list of matters that I have discussed are not specifically related to a particular field of study. Rather they are skills you can take from one job to another, from one occupation or field of work to another, and perfect during your whole career. They are skills that you, as a university graduate, have some expertise in and familiarity with. You must now build on that base.

Your university education is an investment. It is an investment, on your part, of time, money, and effort. It is also an investment by the people who help to support this University and others like it. If you don't believe me, look around you the next time you go into a pharmacy or go to a play, or to the symphony, your neighborhood school, an engineer's office, a lawyer's office or a medical clinic. There, hanging on the wall or printed in the program is your proof—proof of the contribution your University and others like it are making to the society we live in.

There is another myth abroad—the suggestion that universities are ivory towers, places where people retreat to withdraw from society. I challenge that assumption. Indeed, before me in the audience, you are the living proof that the University is very much a part of society. The University knows it has an important and special responsibility. This was clearly voiced in the University's response to the Alberta Government's recently published white paper on industrial and science policy. The University said we will not withdraw. We must do more in and for society. We must work with industry, with government, and with others to solve society's problems.

As Academic Vice-President, my purpose is to see that the quality of education for those coming after you

is maintained, enhanced and, indeed, improved; that this University continues to be at the cutting edge of the generation and transmittal of knowledge; and that the academic commitment to excellence which is present on this campus today is continued.

Good luck to all of you. Don't be afraid to take a risk. Go out and look for the opportunities life presents you—and grab them when they come by. I hope you will remain, always, a part of your University. □

## Soothing the Savage Breast—Bach Organ Series, Program II

Marnie Giesbrecht Segger will present the second recital in the Bach Organ Series on Saturday, 1 December, at 8 p.m. in Convocation Hall.

Currently studying with Gerhard Krapf, Mrs. Giesbrecht Segger recently received the Ralph Steinhauer Award of Distinction for Academic Excellence. An accomplished pianist as well as an organist, she has toured Western Canada extensively, and has performed solo as well as with orchestras in Austria and the United States.

Her former teachers include Jacobus Klöppers (organ), and Ernesto Lejano, Barry Snyder and Kurt Neumüller (piano).

Now a doctoral student in Organ Performance at our University, Mrs. Giesbrecht Segger's program includes the "Concerto in D Minor" (Vivaldi and Bach) and "Passacaglia and Thema fugatum in C Minor."

Admission to this musical introduction to the merry month of December is free; parking is available. □

## GSA Donates Funds to Cameron Library

The Graduate Students' Association has made a \$1,915 donation to Cameron Library. The donation, which represented two-thirds of the GSA's previous year's fiscal revenue interest, was presented to Chief Librarian Peter Freeman by Bob Tinkess, GSA Vice-President (External) in a brief ceremony on 5 November.

In response to the GSA's generosity, the Library has agreed to establish an application form whereby graduate students may request the acquisition in the buildup of serials to be used by graduate students. The donation may be eligible for a matching grant from the provincial government. □



Bob Tinkess (left) and Peter Freeman press the flesh.

# Chairmen's Council Executive Has Few Qualms About White Paper

*The following is the response of the Chairmen's Council Executive to the White Paper entitled "Proposals for an Industrial and Science Strategy for Albertans 1985 to 1990."*

Our general comments on the White Paper are followed by responses to specific references to education and the role of the universities in relation to an industrial and science strategy for Alberta.

We would first like to commend the Government of Alberta in presenting this White Paper, to initiate discussion by the public on the educational and economic systems of Alberta. We agree fully with the aspirations of Alberta citizens and the Government of Alberta that the University of Alberta become a world-class university. This status has already been achieved by a considerable number of departments as a result of hard effort and the resources provided by the provincial and federal governments. The University is one of the largest in Canada. It has the most breadth and diversification of all Alberta's universities and this allows it to provide an educational environment which can nurture industrial and scientific development in Alberta. Basic and applied research in disciplinary areas such as Engineering, Medicine, Education, Science, the Social Sciences, for example, are well-developed. Likewise there is an excellent range of disciplinary offerings in the liberal arts. Any Albertan with the capability and the desire can obtain a well-rounded education from our University. Nevertheless, there are many areas of the University where we are just beginning to achieve the excellence we seek and which will need further resources in the future.

To overcome the inherent disadvantages of being located in a peripheral region of Canada as opposed to the core region of southern Ontario and Quebec, it is important to maintain a large vigorous university such as ours. There tends to be an academic core in Canada, just as there is an economic one or an electoral one. In the economic and political arenas we welcome the vigorous efforts of the Government of Alberta to overcome Alberta's disadvantages. We support the thrust of the White Paper in try-

ing to map a strategy for our livelihood when natural resources become exhausted. Likewise, we are attempting to maintain the excellence of our University and to 're-invest' and where necessary, reallocate our resources internally in order to reflect the changing needs of society. Thus we can continue to attract good students and academic staff not only from Alberta and the West, but from Central Canada and abroad. Only by doing so can we become a world-class University known for its quality of research and teaching. While some reallocation of internal resources will be beneficial, only with additional funding will it be possible to achieve world-class status in the broad range of disciplines which characterize great universities.

During the history of the University of Alberta new departments, disciplines and academic programs have been introduced because of the clear need for higher education in areas where graduates were required in the Alberta society. Such initiatives certainly broadened and enriched the range of courses and degrees available to students. Although this process quickened since the Second World War, we have now reached a technological threshold where a faster rate and clearer focus of change is needed to allow our University to compete effectively as an educational institution, and our provincial economy to compete in national and international markets. In response to this situation, the Chairmen of the University have supported 1) the initiative of the President in establishing four planning task forces, on which several Chairmen sit and which will lead to internal reallocation of resources; 2) the establishment as the first priority of the University of a further investment of resources in the Department of Computing Sciences; 3) the reviewing, modifying and establishing in order of priority of a set of new programs which were initiated by departments and submitted to the government in response to its new funding program. We regret that the government has not yet decided to fund 16 of the last 17 programs submitted, a response which has not helped morale in the University or confidence in the new funding program. We encourage the

government to support them and thus bring to fruition this innovative response by the University. There are many individuals in the University working to implement program improvements and their efforts should be supported. The University is not, however, an institution which can reallocate resources as quickly as a corporation. Change occurs only through a slow process of adjustment. A degree is not designed and implemented in a few weeks. It takes a year or more of careful thought and planning to do so. If new programs are prepared in response to government funding objectives and many man-hours are expended on new program ini-

tiatives, then a more positive government response to that effort should be forthcoming. Likewise the several hundred matching grant applications deserve immediate attention. They, too, represent an active response to a welcome Government of Alberta initiative.

The Chairmen are also concerned that the White Paper could have given greater emphasis to the substantial research contribution being made by University academic staff in response to the requests of corporations and all levels of government. A few examples of on-going research from a long list of current research projects are:

## Alberta Government

Chemistry	Alberta Oil Sands Technology and Research Authority	Thermodynamics and Colloid Science Applied to Oil Sands
Civil Engineering	Alberta Environment	Use and Effects of Chemical Coagulants in Water and Wastewater Treatment
Physical Education	Alberta Workers' Health Safety and Compensation	Effects of H <sub>2</sub> S on Selected Metabolic and Cardio Respiratory Variables during Rest and Exercise
Rural Economy	Alberta Economic Development	Preparation of Document on Method of Payment of the Crow Benefit

## Federal Government

Geography	Environment Canada	Development of a Climatology of Atmospheric Conditions related to Extreme Forest Fire Behaviour in West-Central and Northern Canada
Sociology	Solicitor General, Canada	National Study on Functioning of Juvenile Court: Edmonton Site Analysis
Economics	Energy, Mines and Resources, Canada	Modelling Oil and Gas Exploration Activity under Uncertainty

This research by academic staff at the University of Alberta will strengthen the ability of the Alberta economy to compete effectively in world trading markets and improve the quality of life in Alberta. In this

context, the Chairmen believe that the Government of Alberta should implement proposals to establish Alberta Heritage Foundations for research in

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Agriculture, the Natural Sciences and Engineering (AHF ANSER), and in the Human Sciences and the Arts (AHF HSAR) to complement the creative effort made through the establishment of the Alberta Heritage Fund for Medical Research (AHFMR). This would help to ensure that the teaching and research contributions of a young generation of scholars are not lost to this University and to the Alberta community. We note that there is no treatment in the White Paper of the social impact resulting from technological education and development in the province. Research funded by the proposed Alberta Heritage Foundation in the Human Sciences and the Arts (AHF HSAR) could help to address such issues to the benefit of our society.

The multiplier effects generated by a large, vigorous university working through the educated and highly skilled labour force contribute not only to the creation of a dynamic economic environment but also attract investors and managers who wish to live and work in that environment, and who perceive that their children will have access to high quality education. Increasingly, it is not only the business environment which promotes and attracts investment decision makers, it is also the quality of life which that environment offers. The cultural, recreational and aesthetic stimulation of a pollution-free environment loom larger as standards of living increase.

Turning now to specific references to education in the White Paper we will address the most important of these:

#### 1) *Graduate Research*, (p.35)

The Chairmen of the University fully support the strengthening of graduate studies and research at the University of Alberta in its fundamental 'research role'. Some of them sit on a special planning task force on graduate work which is addressing this issue. The proportion of graduate students in the total student body should be increased in future to meet society's need for graduates with advanced knowledge and skills. Research is a unique responsibility and *raison d'être* of the University as an educational institution. We would ask, therefore, that the Government of Alberta respond positively to the new graduate program initiatives which are presented to it.

#### 2) *Education and Training* (pp.45 & 57)

The Chairmen of the University fully support the development of a strong three-way interrelationship between industry, the government and the University in research and teaching in areas relating to the prosperity of our Province. The contribution by universities to new product inventions and process innovations needs to be enhanced to the mutual benefit of these three parties. It is recognized, however, that while University resources must directly support those disciplines related to the immediate needs of society in economic and technological development they must also maintain those disciplines which provide a broad education. The benefits of exposure to ideas and principles from liberal and fine arts subjects will provide the educated scientist, engineer or doctor with more balanced judgement and wider perspective in their contribution to society. More specifically, we feel that education in such areas as Mathematics, Basic Sciences, English, French, other Languages and Cultures, History, Geography, and Economics is basic to graduates from our 'professional' Faculties who plan to enter the private corporate or government sectors. Without these disciplines supporting the applied fields within the University the training in these fields will be narrow to the point of being deficient.

While training programs within the post-secondary educational system do require continuous updating to fulfill the technical needs of a successful science and industrial strategy, such updating must not take precedence over the broader educational needs of society at large. In its goal to accommodate the specific needs of science and industry, the Provincial Government should abstain from intervention in development of world-class universities through the provision of funding incentives to particular areas of instruction and research if these occur at the expense of the further development of those very disciplines which not only contribute to the quality of the institution as a whole but which contribute, in a very real way, to the kind of quality of life and cultural setting which the White Paper, itself, declares as essential to the attraction of scientific and industrial initiatives to this Province (see pages 45, 69 and 94).

#### 3) *The Alberta International Business Institute* (p. 60)

The Alberta International Business Institute *should not* be established separate from the universities either physically or institutionally particularly if it is to be an 'advanced degree' granting institution. This does not imply that a flexible partnership with the business community and government could not be forthcoming for the operation of the Institute. However, it is only when a high standard of academic staff and supporting facilities such as library resources or equipment are available that departments within universities are allowed to proceed with graduate degrees. Such library, computing equipment and other facilities already exist at the University of Alberta, as do the qualified staff located, most particularly, in the Business Faculty and the Departments of Economics and Rural Economy. Advantage should be taken to build upon these existing strengths rather than contemplating the establishment of a new, separate institution. The concept itself is an excellent one but it could be widened by combining it with a positive government response to new departmental program initiatives to educate students in the economics, history, geography, languages and culture of countries around the Pacific Rim, particularly those in east and southeast Asia. It should be remembered that the USSR is both a Pacific Rim and a northern country with important trading links with Alberta and Canada. There are many well-established courses on the USSR offered by the University of Alberta. The future businessmen who graduate from the University of Alberta will have narrow perspectives, indeed, if their tools consist only of a grasp of the trading country's language and Canadian business practices. The understanding of the religion, history, politics, laws and geography which shape a people's perception of foreign trade is just as essential to conclude a successful business deal.

#### 4) *Economic and Language Education* (p. 67)

The Chairmen approve the teaching of various dimensions of the Alberta economy in the secondary education University curriculum. Several departments *already* teach courses on aspects of the market economy of Alberta and Canada. While agreeing

that these courses should be maintained and expanded, perhaps more serious problems exist in the language area. In particular, we believe that former levels of language requirements in graduate and undergraduate academic programs should be reinstated. We recognize also the difficulties of foreign language instruction at all levels of education in Alberta in the face of the needs generated by our international trade linkages.

Although through the Faculté Saint-Jean and the Department of Romance Languages the University of Alberta is one of the best Canadian universities outside of those in Quebec for French language instruction, we do not have sufficient numbers of graduates of this University who speak French fluently. Since it is the second diplomatic (and business) language after English, this is to be regretted. It is nevertheless a challenge. With the expansion of French immersion programs in our high schools we are planning opportunities for the continued education of these students in the French language. The low quality of French instruction outside of the immersion programs in high school suggests that more support from the school system for French language education would be desirable.

The neglect of other languages such as Mandarin, Cantonese, Japanese, Korean and Russian will not assist us either in understanding or trading with countries which speak these languages. The University of Alberta has established a Department of East Asian Languages and Literatures to help to overcome this problem. However, job vacancies are difficult to fill in the face of restrictions imposed on hiring from abroad by Federal Manpower and Immigration policies. The education of language professors is also not a quick process. The introduction of these languages in some high schools would allow wider opportunities for those who wish to learn them and proceed to higher education in their chosen language specialty. Closer liaison between the universities in Alberta and high school curriculum planning is urgently required.

The Chairmen recognize the need for new priorities to be set within the University of Alberta. The reviews of departments initiated by the President's Advisory Committee on Campus Reviews as well as the Task

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Forces for Planning provide a healthy appraisal of strengths and weaknesses as well as identifying possibilities for reallocation of resources. It is realized that we have to help ourselves by planning changes. At the same time we hope that the Government of Alberta will respond to new program initiatives, not only those which are closely related to science and technology, but with the full understanding that there are many disciplines and programs which contribute to the education of an Alberta citizen which enhance his role in public, private or corporate life. These programs should be maintained and, in many cases, strengthened.

As Chairmen of the University's departments—the 'front line' adminis-

trators who also teach and carry out research—we know the problems and the potentials of our departments and of the larger Faculty and University entities of which they are a part. We wish to applaud the White Paper's initiative and to cooperate in meeting the new challenges faced by our society. If we are challenging in some of the statements made here it is because of our perplexity and frustrations with the lack of response by the government toward initiatives which University staff have made in response to the government's own programs. We hope that a more rewarding partnership both with government and with business and industry will be the norm of the future. In particular, we appreciate the Government's efforts to

reform the high school curricula so that students are educated not only in basic communicative skills of English and Mathematics, but also in other basic areas of knowledge such as the history and geography of their province and country in relation to the rest of the world's political and economic structures, all of which mold the society we live in here in Alberta. Such reform at the high school level is the key to providing higher qualified entrants to University and better graduates trained in specific disciplines, some of whom at University will then enter the school teaching profession.

Given the clear need to go beyond the narrow focus of technical training, we wish to re-emphasize in closing the

need for government to support the AHR ANSER and AHF HSAR proposals for the universities of this province. Despite the government's perception that education in Alberta is as well, if not better, funded than in other Canadian provinces, the technological and trading challenges facing us require as you would surely agree, more not less funding for education. Alberta should lead the way in this investment in the most precious resource of all—human brain power—and the one paying the best long-term dividends. We believe that apart from medical research into major health problems, *there is no better investment in a society's heritage than in the education of our children and youth.* □

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## Asa Briggs a Man After Tory's Heart

The afternoon was not yet drawing to a close but Lord Asa Briggs looked ready for his 8 p.m. assignment—the 1984 Henry Marshall Tory Lecture. Framed in the doorway of a downtown hotel room, he was dressed to the nines save for his feet which were encased in lounging slippers. That turned out to be appropriate because he is a relaxed sort who is able to put a visitor at ease in short order. "At ease" except for the fact that he can cause envy in others because he is a man of many interests who juggles them admirably, never, for example, wearing his historian's hat when his broadcaster's headgear is called for.

Knowing that Lord Briggs is able to squeeze in a few lectures between his duties as Provost of Worcester College, Oxford, and Projects Director of the International Institute of Communications, and those of a "practising academic", the Friends of the University sent word about a year ago that they would be honored to have him present the lecture that, since 1956, has brought distinguished speakers to the campus. It resulted in his first trip to Edmonton although he has been to Calgary, Regina and Vancouver.

Prior to speaking on "The Age of Broadcasting," Lord Briggs met with Norman Page and others in the Department of English on the computerization of Victorian studies and lunched with R.J. Buck, Chairman of the Friends, and executive member J.F. Forrest. He also chatted with

Stephen Griew, President of Athabasca University, an open university specializing in distance education methods. (Lord Briggs helped found the Open University in 1970.)

Traditionally, a small proportion of Britain's population has attended university although the numbers have increased somewhat since the late 1940s. "There is more general recognition in Canada that education is a good thing; in Britain it does not enter their heads that they should attend university," he told *Folio*. Another difference is that educational policy there goes by "fits and starts" and does not follow on the heels of societal trends.

Lord Briggs would like to see more free and open access to post-secondary institutions in his homeland. On the other hand, the selective system in place is geared to pay careful attention to the needs of the individual student and thus the dropout rate is very low. "The system should compare the number of graduates produced in a year rather than the number of people taken in," he feels.

From what we know of the general scene, British universities seem to be Bleak Houses, but Lord Briggs says very few teaching departments have been closed and a relatively small number of positions have not been filled. The response of most universities (there are upwards of 50 in Britain) has been to get more people to take early retirement.

Standing back and surveying the

broad picture, he says that European universities, financial constraints notwithstanding, are suffering from a 15-year-old malaise of being preoccupied with their own affairs as *single* universities. More linkages, including increased mobility of post-graduate students, should be established internationally, Lord Briggs contends. He would also like to see universities not fall back on the bread and butter subjects but experiment now and then with some less accessible fields of study. One sees him as being among the first to position a large red flag should too much emphasis be placed on training and manpower at the expense of a general education.

An important question facing universities is how can they maintain themselves as centres of initiative in difficult circumstances? He points out that no new universities have been created in Britain for a long time.

There is also no university there which is undergoing any expansion of note.

A historian by profession, Lord Briggs has written four volumes on the history of broadcasting in Britain and is at work on the fifth (and last) which will cover the years 1955 to 1974. Another work in progress, *Victorian Things* ("I persuade myself that I'm doing research whenever I enter an antique shop") will complete a trilogy, the other books being *Victorian People*, and *Victorian Cities*.

As for the Friends of the University, they will soon be making plans for next year's lecture. Through the lectures, the Friends hope "that the University will be enriched by offering its hospitality to scholars, statesmen, and leaders from other parts of the world." Speakers over the years have included Wilder Penfield, Chester Ronning, Sir Zelman Cowen, Professor Sir William Hawthorne and Northrop Frye. □

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## Meeting of the UAYs Slated

Want to know what a woman in a non-traditional job does and why she does it? Girija Rajaram (Physics, University of Alberta), Maya Velkovic (Syncrude Research), Colleen Campbell (Water Quality Control Branch, Alberta Government) and Mary Fairhurst (Research Chemist, Dow) will answer these questions at the next meeting of the UAYs (University of Alberta Women in Science and Engineering). The discussion will

be moderated by Muriel Cheriton, a civil engineer. The meeting is at 7:30 p.m. on Thursday, 29 November, in 034 Students' Union Building. Anyone interested is invited to attend.

For further information or to have your name added to the UAYs mailing list to receive the newsletter and meeting notices, call Sheila Bertram at 432-3932, Liz Stinson at 432-4162 or Margaret-Ann Armour at 432-5566. □



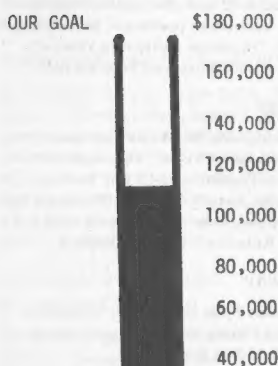
Bob Savage, Vice-President of Underwood McLellan Ltd., presents a \$1,000 scholarship to Heng Aik Khoo, a Malaysian student taking the final year of his BSc Civil Engineering program. Mr. Khoo achieved first-class standing in each of the last three years and had a grade point average of 9.0 last year. He intends to pursue graduate studies here after graduating in the spring. Underwood McLellan, a national engineering consulting firm, issues the scholarship annually.

## United Way Campaign Report

Donations to the United Way appeal have reached a total of \$107,977. This compares with \$137,810 for last year. There were 870 contributors in 1983 and so far this year 622 have donated. While the participation rate has dropped, the average gift has increased from \$134.65 to \$173.60.

There is a special category of givers to the United Way who are known as "Leaders of the Way" (those who can contribute \$500 or more). Last year, the University had 16 Leaders in its ranks; this year, the number has risen to 40.

Donations are still being received—it's not too late to participate. □



## Concert Choir Comes to Papa (Haydn)

The University of Alberta Concert Choir together with the 50-member St. Cecilia Orchestra will present "Missa Solemnis in B Flat (Harmoniemesse)" by Josef Haydn on 26 November (8 p.m., Convocation Hall). Also featured on the program are "La Damoselle Elue" by Claude Debussy and R. Vaughan Williams' "Serenade to Music."

This is the first performance of the season for the Concert Choir following a successful three-week tour of Austria and Switzerland last spring. With director Leonard Ratzlaff, the 90-member choir once again looks forward to an exciting season, including performances with the Richard Eaton Singers and the Edmonton Symphony

Orchestra. The Concert Choir will also take part in the première of "Choral Settings of the Chorales in Part III of Bach's Clavierübung" by Gerhard Krapf performed by organist Delbert Disselhorst in March.

The St. Cecilia Orchestra, under the direction of Malcolm Forsyth, began its season on 28 October to an extremely enthusiastic reception and has an interesting season planned with two more major concert performances in the spring.

Tickets for the 26 November concert are available from the Department of Music office and from members of the Concert Choir and St. Cecilia Orchestra. Admission: Adults \$4, Students and Seniors \$2. □

### Are You Having a Christmas Party?

#### Avoid the Rush—Apply For Your Exclusive Use Right, Right Now!

This is just to remind you that the University's new liquor policy has been in effect since mid-September. Copies of the policy (if you have misplaced yours) are available from the Office of the Dean of Student Services.

To help you host a successful function, we remind you of the following points:

Be sure to apply for your "exclusive use right" at the Office of the Dean of Student Services at least two weeks in advance of your function.

If the room in which you plan to hold your function is not listed on Schedule A of the Policy on Liquor Functions, you must apply in writing to Mr. D.C. Norwood, Assistant Vice-President (Finance and Administration), for permission to hold the function in the room of your choice. This permission must be sought *immediately*.

All liquor for on-campus functions must be purchased from one of the liquor outlets on campus (Housing and Food Services, Power Plant, Room at the Top, Dewey's, or Physical Education and Recreation). You may not consume any liquor on campus which has not been supplied through one of these outlets.

For further details, please refer to the Policy on Liquor Functions. Questions can be referred to Ms. B. Bowes, Office of the Dean of Student Services (4145), or Ms. M. Roxburgh, Office of the Vice-President (Finance and Administration) (4730).

\*\*\*\*Best Wishes For Your Holiday Festivities\*\*\*\*

## Chinese Delegation Looks at Biotechnology Facilities

Eight scientists from the Chinese Academy of Sciences recently visited the University to acquaint themselves with research being conducted and to review building planning procedures for laboratory centres in biotechnology. They sought advice and guidance in preparation for the establishment of the first Biotechnology Institute in China, to be completed by 1987 and located in Shanghai.

The scientists, Y.G. Shen (delegation head), Z.C. Wu, R.K. Gu, Y.G. Zhang, H.F. Bao, W.Y. Mao, B.S. Xia, and W.C. Lu, met with President Horowitz and Vice-President (Research) Kaplan and spent considerable time with Tim Miner, Director of the Office of Design and Construction, discussing construction complexities. They also visited with Alfred Daniel, President of Chembiomed Ltd., and toured several labs, including a number in Pharmacy and Pharmaceutical Sciences, Microbiology and Biochemistry. □

## people

**Einer Boberg** (Speech Pathology and Audiology) recently presented a two-day workshop at the Finsbury Health Centre in London, England, and additional lectures at the Central School of Speech and Drama in London, the Institute of Logopedics at the University of Marburg and the Department of Speech Pathology in Goethe University, Frankfurt, Germany.

**G.A. Rothrock** (History) attended the annual meeting of the Western Society for French History in Albuquerque, New Mexico, 24 to 27 October, where he presented a paper entitled "Vauban, Louis XIV and the *Dîme Royale*."

**David Baine** and **Dick Sobsey** (Educational Psychology) made several presentations at the Annual Conference of Persons with Severe Hand-

icaps in Chicago. They presented information on the University of Alberta, Multiple Dependent Handicapped (MDH) graduate training program. With **Pauline McLarney**, a graduate student in the MDH Program, they presented data on a Summer Treatment Program conducted in conjunction with the Alberta Association for the Dependent Handicapped. They participated in organizing a Canadian network of personnel working with severely handicapped persons. Dr. Baine participated in establishing international communication networks. Dr. Sobsey presented "The Individual Practicum Plan," a guide to evaluating field experiences of graduate students in-training (copies available on request); he also presented a paper with Fred Orlove, Virginia Commonwealth University, on the topic of euthanasia and policy making.

**Fred Engelmann** (Political Science) is President-elect of the Canadian Political Science Association. He is the first faculty member from an Alberta university to hold this position.

**Don Carmichael** (Political Science) has been appointed Program Chairperson for the 1986 annual meetings of the Canadian Political Science Association.

**Allan Tupper** (Political Science) is Editor of the Canadian Political Science Association's *Bulletin*.

**G.R. Webster** (Soil Science) has been elected to Senate by General Faculties Council to replace **B.L. Harris** (Music), effective 31 October 1984 and ending on 30 June 1987.

**Bruce Bain** (Educational Psychology) presented an invited address at "The Child in Social Context Conference," Faculty of Education, University of Manitoba. Dr. Bain's address was on the unfortunate dichotomy between quantitative and qualitative methods in social sciences research. Dr. Bain also conducted a seminar on the symbolic nature of certain pathological conditions among immigrants and other ethno-cultural persons, Clarke Institute of Psychiatry, Toronto.

**Angéliné Martel** (Secondary Education) presented a paper entitled "When the Sunne Shineth Make Hay: Studies in perspective and power for Alberta minorities and the *Canadian Charter of Rights and Freedoms*," at an invitational symposium on "Race, Ethnicity and Education," 24 to 26 October. The paper was responded to

by Ted Aoki, Chairman of Secondary Education.

**Brahma Chaudhuri** delivered a paper on "Dickens, Twain and the Slavery Question" at a conference on Dickens and Twain at the University of California, Santa Cruz, 10 to 12 August.

**Leszek A. Kosinski** (Geography) has been elected Secretary-General and Treasurer of the International Geographical Union (IGU) for the period 1984 to 1988. In the election he was supported by 33 national delegations against 23 voting for an American candidate. With nearly 90 member countries the IGU is one of the largest international scientific unions. As its chief executive officer, Dr. Kosinski will be in charge of a secretariat which has been transferred to the campus of the University of Alberta. The Union holds its regional conferences every two years and its world conferences every four years. The on-going activity is carried out by some 50 commissions and working groups focussed on specific areas of research and teaching. The Union publishes its bulletin and conference proceedings. In addition, a considerable number of publications result from the activities of its commissions. The IGU is a member of both the International Council of the Scientific Unions and the International Council of Social Sciences and is supported by UNESCO where it is classified as a non-governmental organization.

**Linda Fedigan** (Anthropology), recently invited to Simon Fraser University as a distinguished visitor, gave a public talk entitled: "Coat-tails and Apron-strings: Primate Models of Human Evolution." She also spoke to an open seminar sponsored by the Women's Studies Program at SFU on the topic: "Life-history Studies of Female Primates. Rank, Roles, and Reproduction."

**Richard Jung** (Sociology, Theoretical Psychology) presented an invited paper entitled "Beyond autonomy: cybernetics of originality" at the American Cybernetic Association On Autonomy, in Philadelphia, 1 to 4 November.

**George Demuyakor** (Romance Languages) presented a paper entitled "Why do we say 'Mi Abuelo Esta Muerto' when Death is a Permanent State?" at the Annual meeting of ACOL (Alberta Conference on Language), held in Banff, 3 and 4 November.

## publications

Mozejko, Edward (Comparative Literature): *Yordan Yovkov*. Columbus, Ohio: Slavica Publishers (1984): 120 pp.

Stambaugh, Sara (English): *I Hear the Reaper's Song* (Mennonite historical novel). Good Books (1984): 221 pp.

## service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

## Coming Events

### Lectures and Seminars

#### Classics

22 November, 3:30 p.m. M. Gualtieri, "Oppida" of Southern Italy: Progress Report on the Rocagloriosa Project." 1-8 Humanities Centre.

#### Entomology

22 November, 4 p.m. J.H. Acorn, "Biogeography and Ecology of Sand Dune Beetles in the Prairie Provinces." 245 Earth Sciences Building.  
29 November, 4 p.m. K.P. Fennie, "Leg Structure with Respect to Detection of Water Vibration by *Gerris Remigis*." 245 Earth Sciences Building.

#### Faculté Saint-Jean

20h00, jeudi le 22 novembre. Conférence de M. Jean-Guy Vaillancourt (sociologue, Université de Montréal): "Le pouvoir politique du Vatican." Salle 120, Faculté Saint-Jean, 8406 91e rue.

#### Sociology

23 November, noon. Nathan Keyfitz, Endowment Fund for the Future Visitor, "Opportunities in the Sociology of Population." 5-15 Tory Building.  
28 November, noon. S. Newman, "The Use of the Life Expectancy Index to Measure the Impact of Mortality Reduction." 5-15 Tory Building.

#### Geography

23 November, 2 p.m. Dave Green, "Quaternary History and Geomorphology of Russell Island, N.W.T." 3-36 Tory Building.

#### History

23 November, 3:05 p.m. D.J. Hall, "Indian Participation the Treaty-Making Process: The Case of Treaty 1 (1871)." 2-58 Tory Building.



### *Extension—Visual Arts*

23 November, 7 p.m. Peggy Koetsch, Madison, Wisconsin, "A Behind-the-Scenes Personal Study of Japanese Ceramics and Culture." 2-115 Education Building.

### *Medical Microbiology*

26 November, 11 a.m. C-Y Kang, Faculty of Health Sciences, University of Ottawa, "The Expression of Human Hepatitis B Virus Surface Antigen Gene in *S. Cerevisiae* Using the Galactokinase Promoter and the Yeast Killer Toxin Gene." Sponsored by the Alberta Heritage Foundation for Medical Research. 1-17c Medical Sciences Building.

### *Medicine*

26 November, 11:30 a.m. Varocha Mahachi, "Drug Metabolism in Gastroenterology." University Hospitals Amphitheatre  
26 November, 4:30 p.m. Katharyn May, University of California at San Francisco, "Father Participation in Pregnancy and Birth: Myths and Realities." 3-101 Clinical Sciences Building.  
27 November, 8 a.m. A. Rouget and B. Gilboe, "Sexual Abuse of Children and Adolescents 1984." 2-115 Clinical Sciences Building.  
27 November, noon. A. Starreveld, "The Canadian Association of Radiologists National Study of the Treatment of Endometrial Cancer." Auditorium, Cross Cancer Institute.

### *Plant Science*

26 November, 1 p.m. Andrea da Rocha, "Plant Growth Promoting Bacteria." 1-06 Agriculture-Forestry Centre.

### *Music*

27 November, 2 p.m. Regula Qureshi, "Instrumental Techniques and Musical Style: The Case of the Indian Sarangi." 2-34 Fine Arts Building.

### *Mathematics*

27 November, 3:30 p.m. J.W. Macki, "The Value Function in Optimization." 657 CAB.

### *Alberta Heritage Foundation for Medical Research*

27 November, 4 p.m. Barbara Iglewski, Professor, Microbiology and Immunology, Oregon Health Sciences University, "Pseudomonas Proteases." 2-27 Medical Sciences Building.

### *Botany*

28 November, 4 p.m. Elizabeth John, "A Study of One Relationship Between Botany and History in Some English Hedgerows." M-137 Biological Sciences Building.

### *Religious Founders' Day Symposium*

28 November, 7:30 p.m. Joseph Cahill, "Life of Jesus." Rabbi Akiva Mann, Spiritual Leader, Beth Israel Synagogue, "Life of Moses." K.D. Prithipal, "Life of Krishna." Pal Singh Purewal, Sikh Society of Edmonton, "Life of Guru Nanak." Maulana M.D. Shams, Ameer and Missionary In Charge, Ahmadiyya Movement in Islam, "Life of Muhammad." L-1 Humanities Centre.

### *Limnology and Fisheries Discussion Group*

29 November, noon. Karl Schwalme, Preliminary Biological Evaluation of the Lesser Slave Lake Fishway." G-217 Biological Sciences Building.

### *Salter Reading Series*

29 November, 12:30 p.m. Bert Almon (poetry) and Sara Stambaugh (fiction).

### *Arts*

29 November, 4 p.m. G. Kelly, "Selves from Texts." 5-20 Humanities Centre.

### *Library Science*

30 November, 1 p.m. Richard Hersack, "Statistical Publications and the Alberta and Canadian Governments." Sponsored by the Edmonton Chapter of the Canadian Association of Special Libraries and Information Services, and the Faculty of Library Science. L-3 Humanities Centre. (Advance registration required. Contact: G.M. Strathern, 432-4141, 3-15 Rutherford South.)

### *Computing Science*

30 November, 3 p.m. H.J. van den Herik, Delft Technical University, The Netherlands, "How to Derive Expert Rules from a Perfect Body of Knowledge." 619 General Services Building.

### *Music*

#### *Department of Music*

All events take place in Convocation Hall.  
22 November, 8 p.m. New Music at the University of Alberta.  
23 November, 8 p.m. Senior Student Recital—Ross Hill, trumpet.  
26 November, 8 p.m. The University of Alberta Concert Choir—Leonard Ratzlaff, conductor, and St. Cecilia Orchestra—Malcolm Forsyth, conductor. Adults \$4, students/senior citizens \$2.  
30 November, 8 p.m. A Faculty Recital—Dian Nelsen, soprano, Ronald Nelsen, baritone, and Alexandra Munn, piano.

### *Exhibitions*

#### *Ring House Gallery*

Until 21 December. "Peace Earth Peace." An international correspondence/mail art exhibition.

#### *Bruce Peel Special Collections Library*

Until 11 January 1985. "The Gregory Javitch Collection: Two Aspects," and "Sing, Heavenly Muse!" The former contains rare books from the sixteenth and seventeenth centuries dealing with the exploration of the New World and the ceremonies and dances of Indians. Printed and manuscript laws and treaties documenting European effort to regulate Indian life and to remove native populations from areas of white settlement. The latter contains poetry from the Renaissance to the Present, in first and illustrated editions. Hours: Monday to Thursday, 8:30 a.m. to 6 p.m.; Friday, 8:30 a.m. to 5 p.m.; Saturday, noon to 5 p.m. B-7 Rutherford South.

### *Radio and Television*

#### *Radio*

Programs broadcast on CKUA radio 580 AM and 94.9 FM.  
24 November, 7 p.m. University Concert Hall presents "Schoenberg as a Jewish Composer." Guest—Alfred Fisher.  
28 November, 7:30 p.m. International Development—"Non-Governmental Organizations."

#### *Television*

Programs broadcast on ETV Q-9 and Shaw-13.

28 November, 7:30 p.m. "The Best Investment." Studies in French at Faculté Saint-Jean.

### *Sports*

#### *Basketball*

22 to 24 November. Golden Bear Basketball Classic. Varsity Gym.  
28 November, 7:30 p.m. Golden Bears vs. University of Ottawa. Varsity Gym.  
29 November, 8:45 p.m. Golden Bears vs. University of Western Ontario. Varsity Gym.  
30 November, 7 p.m. Pandas vs. Edmonton Seniors. Universiade Pavilion.  
30 November, 8:45 p.m. Golden Bears vs. Brock University. Universiade Pavilion.

#### *Volleyball*

29 November, 7 p.m. Pandas vs. China. Varsity Gym.

### *Matters of Faith*

#### *Catholic Campus Ministry*

St. Joseph's College Mass Time, September to April. Monday, Wednesday, Friday - 7:30 a.m., 12:10 and 4:30 p.m.; Tuesday, Thursday - 7:30 a.m., 12:30 and 4:30 p.m.; Saturday, 4:30 p.m.; Sunday - 9:30 and 11 a.m., 4 and 8 p.m.

#### *Anglican - Presbyterian - United Chaplaincy*

Bible study on Gospel of John—Tuesday, noon; Anglican Eucharist—Thursday, noon. Both in Meditation Room, 158A SUB

#### *Lutheran Campus Ministry*

Sunday Worship with Eucharist - 10:30 a.m., Meditation Room, 158A SUB.  
Thursday Evening Worship - 7:30 p.m., Lutheran Student Centre, 11122 86 Avenue.  
Noon Hour Bible Study - Wednesdays at noon, Meditation Room, 158A SUB.

#### *Faith Share*

Mondays, 7 to 9 p.m. Group singing, sharing, teachings and discussions. All welcome. Call Kim, 436-6346, or Curt, 433-9377, for further information. St. Joseph's Chapel.

### *Theatre*

#### *SUB Theatre*

22 November, 8 p.m. "Phar Lap" (1984).  
23 November, 8 p.m. "Revenge of the Nerds" (1984)  
25 November, 8 p.m. "Meatballs Part II" (1984).  
27 November, 7:30 p.m. "Dan Pecks." Tickets available at the Inside Story, Lighthouse Christian Books and Music, the Canadian Bible Society and Logos Book Store.  
28 November, 8 p.m. The Edmonton Chamber Music Society presents "Quartetto Beethoven di Roma." Single admissions are available at the door or by membership. For more information, call 433-8102.  
29 November, 8 p.m. "Hot Dog...The Movie" (1984).  
30 November, 8 p.m. "Oxford Blues" (1984).

#### *Studio Theatre*

29 November to 8 December. "Our Town" by Thornton Wilder. For tickets and/or further information, call 432-2271.

## *Non-Credit Courses Computing Services*

### *MTS (Michigan Terminal System)*

MTS and Editor Fundamentals (Prerequisite)  
AJ510 Operation and Visual Editing (Prerequisite)  
MTS Overview (Prerequisite)

### *TEXTFORM*

Introduction to Text Formatting (Prerequisite)

### *SPIRES*

Introduction to SPIRES (Prerequisite)  
Advanced SPIRES

### *Graphics*

Integrated Graphics Overview (IG)

### *Statistics*

Data Preparation for Statistical Packages (Prerequisite)  
Introduction to SPSSx  
SPSSx Conversion  
Introduction to BMDP  
Introduction to MIDAS  
Introduction to MINITAB  
Introduction to TROLL

### *Microcomputers*

Introduction to the IBM PC  
Introduction to the Personal Editor  
Introduction to MultiMate  
Advanced MultiMate  
The above courses are offered regularly through the day with limited evening selections. Registration will be taken over the phone for all courses except evening courses. These may be made in person at 352 General Services Building, or by mail. Payment must accompany registration for all evening courses. Please make cheques payable to the University of Alberta.

### *Waiting List Courses*

The following courses are only offered when a sufficient number of people express an interest.  
Advanced Text Formatting  
Courier Operation and Visual Editing  
Introduction to Plotting  
Introduction to Programming  
Introduction to Typesetting  
Introduction to APL  
Introduction to the Array Processor  
Introduction to APAL  
Introduction to Clustan  
Introduction to TSP  
Introduction to Osiris  
Introduction to Tell-A-Graf  
For more information on any of the courses listed above, telephone the Training Coordinator at 432-2511, between 8 a.m. and 4 p.m., weekdays.

## *Faculty of Extension*

### *Business and Professional*

For further information on the course listed below, telephone 432-5066.  
Transition Process to Management

## *Notices*

### *General Faculties Council*

GFC's next meeting is scheduled for Monday, 26

November, at 2 p.m. in the University Hall Council Chamber.

1. Approval of the Agenda
2. Approval of the Minutes of 29 October 1984
3. Question Period
4. New Members of GFC 1984-85

#### Reports

5. Executive Committee Reports
  - 5.1 Executive Committee Minutes of 5 November 1984
  - 5.2 Executive Committee Minutes of 13 November 1984
  6. Report of the Board of Governors
  7. Report of the Nominating Committee
  8. Facilities Development Committee Oral Report
  9. Academic Appeals Committee Oral Report
  10. Planning and Priorities Committee Oral Report
- #### New Business
11. Undergraduate Scholarship Committee Annual Report 1983-84
  12. Matriculation Requirements from British Columbia Applicants for Admission to the University of Alberta: Recommendation from the Committee on Admissions and Transfer
  13. GFC Committee on Admissions and Transfer: Annual Report to GFC for 1983-84
  14. Conference Funds Committee: Annual Report 1983-84
  15. General Salaries and Promotions Committee: Annual Report 1983-84
  16. Faculty of Graduate Studies and Research: Approval Mechanism For Changes to Existing Graduate Programs
  17. GFC Nominating Committee: Proposal Concerning Identification of GFC Nominators
  18. Report on the Preparation of the 1984-85 Operating Budget
  19. Operating Budget Principles and Policies 1985-86
  20. Other Business
- For information concerning this agenda, members of the University community may telephone the Secretary to GFC, 432-5430.

### International Affairs Bulletin Board

The International Affairs Bulletin Board is an MTS file that announces new publications, visitors to campus, faculty travelling elsewhere, conferences and meetings, and general messages in the area of international development.

All MTS account holders may consult the Bulletin Board file from a CRT or hard-copy terminal by signing on to their MTS account and typing the command: #RUN X341:BULLETIN.

### International Students Friendship Program

To become better acquainted with a Canadian family or experience a traditional Canadian Christmas, international students are invited to call 432-5950 (9 a.m. to 5 p.m.) or 436-3353 (6 to 9 p.m.). Deadline: 3 December.

### Real Estate Programs

The Real Estate Composite Brochure can be obtained by calling 432-5060. Some of the course offerings are as follows:

- Negotiating Real Estate Leases
- Residential Landlords and Tenants
- Should I Buy This House?

### Certificate Programmes

For further information on the programmes listed below, telephone 432-5545 or 432-3027 between 8:30 a.m. and 4:30 p.m., Monday to Friday.

- Management Development
- Personnel Administration
- Computers and Business Data Processing

- Industrial Security Management
- Purchasing Management Development

### Citation Programme

For further information on the following programme, telephone 432-5545 or 432-3027.

- Executive Development Programme for Women

### Land Use Planning

For further information on the course listed below, telephone 432-2912.

- Planning Law

### Science and Technology

For further information on the following course, call 432-2912.

- Maintenance Management

### Applied Behavioral Sciences Division

For further information on the courses listed below, telephone 432-5069.

- Relationship Enhancement
- Life Power
- Coping with Loss
- Assertion and Interpersonal Skills Training

### Liberal Studies

For further information on the course listed below, telephone 432-3033.

- One-Day French Immersion

### PLATO Learning Centre

'Computer-Taught' courses can be taken any time at your convenience. For further information on this unique way of learning, telephone 432-2444.

- Introduction—Keyboarding, Word Processing
- Excellence in Administrative Assistant/Secretarial Work
- Introduction—Computers, Data Processing
- Introduction to Programming—BASIC, PASCAL, FORTRAN
- Time—Resource, Financial or Planning Management

### Devonian Botanic Garden

For a detailed brochure and registration form, telephone 987-3054.

- Christmas Arrangements With Cones (II)
- Willow Planter or Fern Stand
- Introduction to Kitchen Cosmetics and Simple Remedies

## Scholarships, Fellowships and Awards

### Boreal Institute For Northern Studies, Government of Alberta Grants-In-Aid For Northern Research

**Donor:** Boreal Institute for Northern Studies and the Government of Alberta. **Where tenable:** The Canadian boreal forest region and the Canadian Arctic (primarily Alberta, Yukon and Northwest Territories). **Level:** Open to supervised graduate students, post-doctoral fellows or full-time academic staff located at the University of Alberta, an affiliated college, or Athabasca University. Also open to other residents of Alberta, N.W.T. and Yukon, especially university faculty members or

students. **Field:** Northern research. **Value:** Basically, the grant is intended to pay the travel and field subsistence costs for the person(s) engaged in the research. **Number:** Not stated. **Duration:** Two years. **Conditions:** See Students Awards Office for more information on the conditions of the grant. **Closing date:** 31 December 1984. **Further information and application forms should be requested from:** Student Awards Office or Office of the Director, Boreal Institute for Northern Studies, CW-401 Biological Sciences Building, University of Alberta, telephone: 432-4512 or 432-4999.

### The William Barclay Memorial Scholarship

**Donor:** The William Barclay Memorial Fund  
**Where tenable:** University of Glasgow. **Level:** Graduate. **Field:** A subject within the Faculty of Divinity. **Value:** Not exceeding 1,500 pounds. **Number:** One. **Duration:** One year starting from 1 October 1985. **Conditions:** Must be a suitably qualified graduate student of theology, from a university outside the United Kingdom, who proposes to pursue full-time study or research in the University of Glasgow in a subject falling within the Faculty of Divinity. Final year undergraduate students are encouraged to apply. **Closing date:** 15 December 1984. **Further information and application forms should be requested from:** Apply by letter (see Student Awards Office for details), Clerk to the Faculty of Divinity, University of Glasgow, Glasgow, Scotland G12 8QQ.

## Positions Vacant

*The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

### Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an on-going basis, these vacancies cannot be guaranteed beyond 16 November 1984. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

- Clerk Typist II (\$1,161-\$1,390) Central Stores
- Admissions Records Clerk (\$1,294-\$1,561) Office of the Registrar
- Clerk Steno III (\$1,294-\$1,561) Animal Science
- Clerk Typist III (\$1,294-\$1,561) Student Counselling Services
- Clerk Typist III (\$1,294-\$1,561) Faculté Saint-Jean
- Systems Control Clerk I (\$1,338-\$1,625) Alumni Affairs
- Accounts Clerk (Part-Time) (\$865-\$1,060) Comptroller's Office
- Secretary (Split Funded) (\$1,442-\$1,766) Anthropology
- Departmental/Executive Secretary (\$1,625-\$2,003) Sociology
- Public Relations/Publications Assistant II (Term) (\$1,625-\$2,003) Housing and Food Services
- Building Services Worker III (\$1,442-\$1,766) Physical Plant
- Technician I (\$1,497-\$1,842) Computing Services
- Civil Engineering Technician II (\$1,697-\$2,092) Civil Engineering
- Electronics Technician II (\$1,766-\$2,182) Physical Education

Laboratory Technologist I (Term) (\$1,842-\$2,280)

- Provincial Laboratory
- Dental Nurse (\$1,842-\$2,280) Dentistry
- Biology Technologist III (\$2,182-\$2,710) Genetics
- Building Superintendent II (\$2,182-\$2,710) Physical Plant
- Nurse Practitioner (Trust) (\$2,486-\$3,009) Paediatrics
- Technologist IV (Trust) (\$2,486-\$3,099) Health Services Administration and Community Medicine

For vacant library positions, please contact the Library Personnel Office, Basement, Cameron Library, telephone 432-3339.

## Advertisements

*Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.*

### Accommodations available

- Rent - Three-bedroom, newly renovated, ravine location, immediate occupancy. 432-0730.
- Private sale - Parkdale. Attractive, three-bedroom bungalow. Hardwood floors. Fireplace. Brick patio. Landscaped garden. Appliances. Finished basement. \$80,000. 439-5318, leave message.
- Roommate wanted - To share three-bedroom, furnished home. \$225/month plus one-third utilities. S.S. 433-5046.
- Sale - Cheery and well maintained bungalow. Revenue suite down. Tenant prepared to stay. Easy access University. \$64,900. Ask for Joyce Byrne, 435-6064, 436-5250. Spencer's.
- Sale - Parkallen. Spacious home on huge pie-shaped lot in superb, keyhole crescent. Mother-in-law suite, basement. Front drive. Reduced. \$87,900. Ask for Joyce Byrne, 435-6064, 436-5250. Spencer's.
- Share - Non-smoker to share house with one other persop. Furnished, treed yard, near University. \$300 plus half utilities. Phone Jim, 428-6744 (days), 434-0921 (evenings).
- For sale - By owner. Immaculate, one-bedroom condominium, overlooking the river valley. Only four minutes from campus. \$49,900. For further details, please call Joan, 487-3912, evenings.
- Sale - 150 acre retreat, north of Miquelon Lake. Lots of wildlife. Excellent building site facing small, private lake. Thirty-minute drive from city. Call 466-8569. \$68,000.
- Sale - Renovated, two-storey in Groat Estates, three bedrooms plus den. Super master bedroom with two-piece bath. 11x6' sunroom. 50x100' lot. Contact Marg Miller, 463-9323, 466-8569. \$99,500. Block Bros.
- Rent - Six-room, furnished, Belgravia, sabbatical house. 1 May to 15 August. \$400/month plus utilities. 437-2317.
- Sale - Condos. Your choice, \$39,500-\$89,900. University area. For specific details, call Chris Tenove, 433-5664, 436-5250. Spencer's.
- Sale - Lots of land plus 1,600 sq. ft. home. Desirable, Pleasantview. Good financing. Chris Tenove, 433-5664, 436-5250. Spencer's.
- Sale - Saskatchewan Drive, \$149,000. Must sell, older, four-bedroom home. Hidden among trees. Three lots. Ask for Chris Tenove, 433-5664, 436-5250. Spencer's.

Sale - House, Windsor Park, 8944 116 St. Three bedrooms, den, dining room, living room, 1 1/2 baths, kitchen fully equipped, basement suite, garage, garden. Reduced to \$120,000. Call collect, Diane/Nick, 282-0450.

#### Automobiles and others

'81 Chev. Citation, 4-door, hatchback, silver metallic, p.s., p.b., speed control, automatic, V6/2.8 litre engine, 32,000 km, tinted glass. A.W. Peterson, 432-5120. Civil Engineering.

For the convertible buff. 1969 V-8 Meteor Montcalm. Original condition. Original owner. Moving to Australia. Reluctantly selling, \$2,900. 484-1997.

#### Goods for sale

Used IBM selectric and new electronic typewriters Mark 9, HUB Mall. Open evenings, Saturdays. 432-7936.

Oriental rugs: Handknotted, older and newer rugs, prayer carpets, saddlebags and tribal weavings from Central Asia. 439-6408.

Yamaha, upright, grand piano (UIJ Professional). Four years old. Excellent condition, walnut finish. \$4,000 or for rent, \$65 monthly. Owner studying in Australia. 484-1997

#### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A 105 St. 432-1419.

Singing teacher, Eileen Turner, 439-4661.

Photocopying 8¢, word processing \$24/hour, speed typing course, word processing course, cerlox

binding, typewriter repair. Mark 9, HUB Mall. Open evenings, Saturdays. 432-7936.

Professional Typist - Word Processing. Specializing in theses and dissertations. Gwen, 467-9064

New York Broadway Show Tour, 4-8 April 1985. Flight, hotel, three shows, three dinners, Sunday brunch, city tour, \$1,200. For details, write: Peter Borchers, 1008 8210 111 Street, Edmonton, Alberta T6G 2C7.

Typing: Call Karen at 439-9435.

Professional Architectural Services: New homes/renovations. Call 973-3198 (local) for consultation.

Professional word processing for reports, theses, etc. Interested? Call E.'n' F. Word Processing at 469-4967.

Voice lessons: Alexander Tumanov, 481-3710.

Professional typist for papers, theses, résumés. 435-1509.

Academic staff: Supplementary healthcare reimburses treatment costs for backaches, stress tension at Back Basic Therapy. Maria Krieg, university-trained in Düsseldorf, offers: Heat, massages, chiogymnastics, interferential electrotherapy. 436-8059. 11610 75 Ave.

Quaker worship, Sundays, 11 a.m., Soroptimist Room, YWCA. 100 Ave. 103 St.

Aspen Salon Parisien de Conversation Française. Beginner, intermediate, advanced levels. Winter registration, 437-4141.

JL Citation Services. Computerized literature searching by experienced scientists. Full searches, automatic updating. Careful formulation of search strategies. Up to 50 descriptors per topic. Call 487-8652.

## Open House to Honor Charles Lockwood

Charles Lockwood, Dean, Faculty of Extension, will step down December 31, 1984. To honour Dean Lockwood's years of service in this capacity, an informal reception will be held in Room 120 of Corbett Hall, Friday, December 14, 1984 from 3:00 - 6:00 p.m. Former and present colleagues and friends are invited to attend to wish him farewell.

Those planning to attend R.S.V.P. to Jennifer Mathieu 432-3023 by December 10, 1984.

# AUCTION

**U. OF A. & E.P.S.B.  
14608 - 115 AVENUE**

**SALE: NOV. 24 - 9:AM**

**PREVIEWING: NOV. 23 - 4 - 8:PM**

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BLK&WHT VIDEO CAMERA, MONITER  
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STEREO MICROSCOPES, ELECTRIC WELDERS  
DRAFTING TABLES, EQUIPMENT, LIGHT TABLES  
FRIDGES, STOVES, SEWING MACHINES, TYS  
LAWN MOVERS, SWEEPERS, FUEL TANKS  
PHOTO PROCESSORS, OUTBOARD MOTOR**

**CATALOGUES AVAILABLE NOV. 19TH  
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81 SEDAN, 76 VAN, 77 VAN, SHOP VAC  
GARDEN TRACTOR, CAFETERIA EQUIP,  
TAPE RECORDERS, HAIR DRYERS, FANS  
SCALES, HEATERS BEDDING, MATTRESS  
BAND SAWS, TABLE SAWS, FRET SAWS  
WOOD LATHES, METAL LATHES, SHEARS  
VISES, CABINETRY, WORK BENCHES, ETC.**

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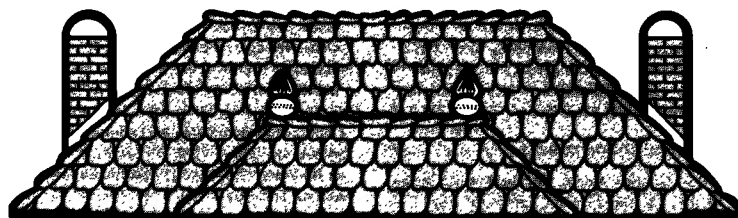
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